Informal Examiner's Amendment
August 2006

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A thin, flexible film of a transparent polymeric material, comprising a structured surface on one side and a smooth surface opposite said structured surface on the other side, said structured surface includes a linear array of miniature isosceles prisms having substantially perpendicular sides arranged side-by-side to form a plurality of peaks and grooves said film having at least 40 of said prisms per inch, the perpendicular sides of said prisms make an angle of approximately 45° with said smooth surface opposite said structured surface, said film being capable of being curled such that said smooth surface lies in a smooth continuous arcuate curve having a diameter of approximately 18 inches.

2. (Original) The film defined in claim 1, wherein the film does not have sufficient strength to be self-supporting.

3. (Original) The film defined in claim 1, wherein said transparent polymeric material is polycarbonate.

4. (Original) The film defined in claim 1, wherein said transparent polymeric material is acrylic.

5. (Original) The film defined in claim 1, wherein incident light striking the smooth surface within certain angular ranges is totally internally reflected.

6. (Original) The film defined in claim 1, wherein incident light striking the structured surface within certain angular ranges is totally internally reflected.

7. (Original) The film defined in claim 1 wherein said film has a thickness of approximately 0.015 of an inch and about 70 prisms per inch so that when said film is curled said smooth surface lies in a smooth continuous arcuate curve without any discernible discontinuities.

8. (Original) A thin, flexible film of a transparent polymeric material, comprising a structured surface on one side and a smooth surface opposite said structured surface on the other side, said structured surface includes a linear array of miniature isosceles prisms having substantially perpendicular sides arranged side-by-side to form a plurality of peaks and grooves, the perpendicular sides of said prisms make an angle of approximately 45° with said smooth surface opposite said structured surface, said film being capable of being curled such that said smooth surface lies in a smooth continuous arcuate curve having a diameter of approximately 18 inches and said film does not have sufficient strength to be self-supporting.

9. (Original) The film of claim 1 wherein said transparent polymeric material is polyurethane.

10. (Previously presented) The film of claim 1 wherein said transparent polymeric material has a high refractive index.

11. (Previously presented) The film of claim 1 wherein said transparent polymeric material has a refractive index greater than or equal to 1.493.

12. (Previously presented) The film of claim 1 wherein said transparent polymeric material has a refractive index greater than or equal to 1.586.

13. (Previously presented) The film of claim 1, 3, 4, or 9 wherein said transparent polymeric material is isotropic.

14. (Previously presented) The film of claim 1, 3, 4, or 9 wherein said transparent polymeric material is homogeneous.

15. (Previously presented) The film of claim 1 wherein the film diffuses light.

16. (Previously presented) The film of claim 1 wherein the film comprises an optical modification to permit controlled light leakage.

17. (Previously presented) The film of claim 16 wherein the optical modification comprises diffusing particles.

18. (Previously presented) The film of claim 16 wherein the optical modification comprises a window.

19. (Previously presented) The film of claim 16 wherein the optical modification comprises said prisms having non-optically sharp corners.

20. (Previously presented) The film of claim 16 wherein the optical modification comprises said prisms having non-optically smooth perpendicular sides.

21. (Currently Amended) The film of claim 16 wherein the optical modification comprises rounding said peaks of the structured surface, said rounding defined in accordance with the ratio r/ρ, where r is the approximate radius of the round peaks and ρ is the groove period.

22. (Previously presented) The film of claim 1 wherein the film comprises a composite structure in which the prisms are bonded to a separate sheet material.

23. (Previously presented) The film of claim 1 wherein the film has about 70 prisms per inch so that when said film is curled said smooth surface lies in a smooth continuous arcuate curve without any discernible discontinuities.

24. (Previously presented) The film of claim 1 wherein the film is self-supporting.

25. (Previously presented) The film of claim 1 in combination with a light source arranged to direct incident light upon one of the structured or smooth surfaces of the film such that the light within certain angular ranges is totally internally reflected upon striking the other of the structured or smooth surfaces.

26. (Previously presented) The film of claim 8 wherein said transparent polymeric material is polyurethane.

27. (Previously presented) The film of claim 8 wherein said transparent polymeric material is acrylic.

28. (Previously presented) The film of claim 8 wherein said transparent polymeric material is polycarbonate.

29. (Previously presented) The film of claim 8 wherein said transparent polymeric material has a high refractive index.

30. (Previously presented) The film of claim 8 wherein said transparent polymeric material has a refractive index greater than or equal to 1.493.

31. (Previously presented) The film of claim 8 wherein said transparent polymeric material has a refractive index greater than or equal to 1.586.

32. (Previously presented) The film of claim 8, 26, 27, or 28 wherein said transparent polymeric material is isotropic.

33. (Previously presented) The film of claim 8, 26, 27, or 28 wherein said transparent polymeric material is homogeneous.

34. (Previously presented) The film of claim 8 wherein the film diffuses light.

35. (Previously presented) The film of claim 8 wherein the film comprises an optical modification to permit controlled light leakage.

36. (Previously presented) The film of claim 35 wherein the optical modification comprises diffusing particles.

37. (Previously presented) The film of claim 35 wherein the optical modification comprises a window.

38. (Previously presented) The film of claim 35 wherein the optical modification comprises said prisms having non-optically sharp corners.

39. (Previously presented) The film of claim 35 wherein the optical modification comprises said prisms having non-optically smooth perpendicular sides.

40. (Currently Amended) The film of claim 35 wherein the optical modification comprises rounding said peaks of the structured surface, said rounding defined in accordance

with the ratio r/ρ, where r is the approximate radius of the round peaks and ρ is the groove period.

41. (Previously presented) The film of claim 8 wherein the film comprises a composite structure in which the prisms are bonded to a separate sheet material.

42. (Previously presented) The film of claim 8 wherein the film has about 70 prisms per inch so that when said film is curled said smooth surface lies in a smooth continuous arcuate curve without any discernible discontinuities.

43. (Previously presented) The film of claim 8 in combination with a light source arranged to direct incident light upon one of the structured or smooth surfaces of the film such that the light within certain angular ranges is totally internally reflected upon striking the other of the structured or smooth surfaces.